

SVETITSKIY, V.P.; PILOSOV, E.M.; ROZHKOV, N.P.; GOTLIB, Ya. L.;
MALKOV, A.B.; MAYEVSKIY, I.S.; RAZZORENOV, F.F.

Winter levels of the Amu Darya River in connection with
the design of the Nurek Hydroelectric Power Station.
Izv. AN Uz.SSR.Ser.tekh.nauk no.3:45-58 '61. (MIRA 14:6)

1. Institut vodnykh problem i gidrotekhniki AN UzSSR.
(Nurek Hydroelectric Power Station)

ROZHKOV, O.A.

Changes in the technology of producing timed flasks. Kuz.-shtam.
proizv. 3 no.7:13-15 J1 '61. (MIRA 14:6)
(Deep drawing (Metalwork)) (Tinning)

KOVTUN, P.G.; ROZHKOV, O.A.

Certain factors determining the capacity of sheet steel to be
deep-drawn. Kuz.-shtam. proizv. 3 no.6:7-13 Je '61.

(MIRA 14:6)

(Sheet steel)

(Deep drawing (Metalwork))

22066

S/182/61/000/006/003/007
D038/D112

11200 also 1454

AUTHORS: Kovtun, P.G., Rozhkov, O.A.

TITLE: Certain factors determining the deep drawing capacity of sheet metal (Under discussion)

PERIODICAL: Kuznechno-shtampovoychnoye proizvodstvo, no. 6, 1961, 7-13

TEXT: The article gives the results of experiments carried out at the Lys'-venskiy metallurgicheskiy zavod (Lys'va Metallurgical Plant) into the ~~entitled~~ factors under the supervision of Doctor of Technical Sciences L.V. Prozorov, TsNIITMASH. 08кп (08kp) and 10кп (10kp) cold-rolled steel, and imported DIN 1623 steel served as the experimental material. Double-action presses and wear-resistant gray iron cupola dies were used. The deleterious effect of mineral lubricants was established: it caused wrinkling and sticking to the dies. Metallurgical plants were advised to discontinue the oiling of sheet metal and the use of a 25% aqueous solution of sodium nitrite for long-term storage was advocated. A thin oxide film forming in air after annealing is not deleterious but beneficial; however, a thick hard film, varying from light-yellow to gray in color, renders the steel completely unsuitable for drawing. Skin-rolling of sheet and strip with 1-1.2% reduction

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Certain factors determining ...

on rough rolls is beneficial. Contrary to the current opinion that deep-drawing steel must have the lowest possible carbon content, it was observed that steel with a bright surface with less than 0.06% C has poor drawing properties but 0.09-0.13% C content improves the drawing capacity, especially when a thin oxide film is present and the sheet surface is not smooth. It has been established at the "Zaporozhstal'" zavod (Plant) that a special **OBGB** (OVGV) deep-drawing steel must contain not more than 0.07% C, and **BGB** (VGV) steel not more than 0.08% C (OVGV and VGV are the internal designations of "Zaporozhstal'"). The anisotropy of its properties is an inherent defect of sheet steel, as it causes tearing in drawing in one direction and folds in the other. It was concluded in experiments that slight anisotropy is permissible but medium anisotropy in sheets with a smooth and bright surface, and more marked anisotropy in sheets with a rough surface, renders the metal wholly unsuitable for deep multi-stage drawing. Insufficient heat treatment, i.e. annealing, was one of the causes of anisotropy in a sheet from rimmed mild steel not deoxidized with aluminum. It was stated by P.G. Kovtun (Ref. 15: Prichiny vyzyvayushchiye obrazovaniye vodorodnoy khrupkosti listovoy stali pri travlenii [Causes of Hydrogen Embrittlement in Sheet Steel Pickling], "Metallovedeniye i termicheskaya obrabotka", no. 9, 1959)

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Certain factors determining ...

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D038/D112

that pickling of cold-rolled mild steel with anisotropic properties causes a drop in plasticity as a result of hydrogen absorption in dislocations of grain boundaries. Steel imported from the FGR and France, and tested at the Lys'va Metallurgical Plant was oiled with mineral oil and had no oxide film on it. The steel was very difficult to draw. It first had to be degreased and heated up to 260°C for four minutes to obtain a thin oxide film. There are 2 figures, 7 tables, and 15 Soviet references.

X

Card 3/3

ROZHKOV, O.P., brigadir

Mechanization of cattle feeding. Mekh.zil'.hosp. 10
no.11:32-3 of cover N '59. (MIRA 13:3)

1. Traktornaya brigada kolkhoza "Ukraina," Velikovradiivskogo rayona, Nikolayevskoy oblasti.
(Farm mechanization) (Stock and stockbreeding)

KMETS, A; ROZHKOVA, P.

Important potentiality for increasing labor productivity. Sov.prof-soiuzu 3 no.11:20-24 N '55. (MIRA 9:1)

- 1.Zamestitel' nachal'nika otдела труда i zarplaty Leningradskogo Nevskogo mashinostroitel'nogo zavoda imeni V.I.Lenina (for Kmets).
- 2.Zamestitel' predsedatelya zavodskogo komiteta profsoyuza (for Rozhkov).

ZHIGULIN, V.I., inzh.; BEDA, N.I., inzh.; ROZHKOV, P.Ya., inzh.; GAVRILOV, A.M.,
inzh.

New developments in research. Stal' 23 no.10:914 0 '63.

ROZHKO, N.N.; MASHINA, O.K., red.; BEYSHENOV, A., tekhn.red.

[On the road of technical progress; the Frunze Agricultural Machinery Plant] Po puti tekhnicheskogo progressa; sel'mash-zavod imeni Frunze. Frunze, Kirgizskoe gos.izd-vo, 1959.

86 p.

(MIRA 13:5)

(Frunze--Agricultural machinery)

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																										GENERAL LITERATURE INDEX																									
<i>ca</i> 8 Auriferous sand deposit on Leba River in the Ural. S. Rozhkov. <i>Zolotoye Proro.</i> 12, No. 9, 215 (1910). Geophys. diagram and discussion of the strata of auriferous- deposit along the river Leba. G. M. Kosolapoff																																																			
METALLURGICAL LITERATURE CLASSIFICATION																										GENERAL LITERATURE INDEX																									

ROZHKOV, P.I., laureat Stalinskoy premii, otv.red.; PSHENITSYN, N.K.,
retsenzent; ZVIAGINTSEV, O.Ye., prof., doktor khim.nauk,
retsenzent; PRILEZHAYEVA, N.A., prof., doktor fiz.nauk, ratsen-
zent; ANISIMOV, S.M., prof., red.; SHULAKOV, P.G., red.; SEMENOVA,
N.Ya., red.; GUT'KOV, A.D., red.; DOLGIKH, V.I., red.; KAHAYEVA,
O.M., red.izd-va; ISLENT'YEVA, P.G., tekhn.red.

[Methods of analyzing platinum metals] Metody analiza platinovykh
metallov, zolota i serebra; sbornik nauchnykh trudov. Moskva,
Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii,
1960. 256 p. (MIRA 13:9)

1. Russia (1917- R.S.F.S.R.) Krasnoyarskiy ekonomicheskii admi-
nistrativnyy rayon. Sovet narodnogo khozyaystva. 2. Chlen-kor-
respondent AN SSSR (for Pshenitsyn).
(Platinum--Analysis) (Gold--Analysis)
(Silver--Analysis)

POGOSOV, A., kand.tekhn.nauk; ROZHKOV, S., inzh.

Volume meter of pulp consumption in grooves. Prom.Arm. 7 no.1:
43-46 Ja '64. (MIRA 17:4)

ROZHKOV, S., inzhener

Automatic measuring hopper. Na stroi. Ros. no.5:20 My '61.

(MIRA 14:7)

(Hoppers) (Automatic control)

ROZHKOV, S.

Precast reinforced concrete cylindrical shells. Na stroi. Ros
no.2:6-7 F '61. (MIRA 14:6)

1. Glavnyy tekhnolog Upravleniya stroitel'stva Krasnoyarskogo
sovnarkhoza.

(Roofs, Shell)

(Kansk--Precast concrete)

I 15046-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l) : IJP(c) BC

ACC-NR: AP6002147

SOURCE CODE: UR/0280/65/000/006/0041/0048 63

AUTHOR: Yevseyev, V. F. (Moscow); Korablina, T. D. (Moscow); Rozhkov, S. I. 61

ORG: none

TITLE: Iteration method of constructing systems with stationary random parameters

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 6, 1965, 41-48

TOPIC TAGS: automatic control, automatic control system, automatic control theory

ABSTRACT: The selection of optimal parameters of a specified-structure system on the basis of its required output characteristics is considered. The normal system operation is described by a vector formula $\psi(x) \geq 0$, where x is the vector of parameters and ψ is the vector function of constraints. Two engineering problems are considered: (1) Given the distribution function $F(x)$ of a random parameter vector x , find such a vector x_0 that the average deviations of functionals $y_j = \psi_j(x)$ from desirable values c_j be minimal; (2) With incomplete information re $F(x)$ and with a known relation of its normalized dispersions, find maximum tolerances for the

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ACC NR: AP6002147

random parameters of the system. The methods of boundary tests, theory of games, and Monte Carlo are recommended for calculating the optimal parameters on digital computers. The above iteration method is held most expedient for synthesizing systems having many random parameters. These practical examples illustrate the method: (1) Selecting the parameters of a static trigger intended to control a voltage input of a pulse-potential coincidence circuit; (2) Selecting optimal parameters of a servo system. Orig. art. has: 5 figures and 37 formulas.

SUB CODE: 13 / SUBM DATE: 09Jun64 / ORIG REF: 002 / OTH REF: 002

09/

OC

Card 2/2

ROZHKOV, S. M.

The following is among dissertations of the Leningrad Polytechnic Institute imeni Kalinin:

"Power and Energy Losses in Electric Networks of Power Systems (Influencing Factors, Reduction Methods, and Methods of Analysis)." 27 June 1949. An analysis is given of the factors which influence the magnitude of power and energy losses. Methods of reducing energy losses are examined and recommendations are made.

SO: M-1048, 28 Mar 56

ROZNOV, S.M.; NAVDOHER, V.S.; IVANOV, I.I.

Basis for selecting the type of transformers and transformer
circuits for traction substations electrified by single-phase
50 c.p.s. current. Elek. Shel. dor. no. 2:170-189 '60.

(MIRA 14:2)

(Electric railroads--Current supply)
(Electric transformers)

ROZHKOV, S.M.

Structure and indexes of electric networks transversing regions
with electrified railroad lines. Obshch. energ. no.3:119-127 '60.
(MIRA 14:3)

(Electric power distribution)
(Electric railroads--Current supply)

ROZHKOV, S. M.

"Lines for the Interconnection of Large Electric Power Systems," Iz. Ak.
Nauk SSSR, OTN, No.1, pp. 49-61, 1953

Discusses the feasibility of using inter-system connecting lines not only for their primary purpose, i.e., exchange of power between systems, but also for power supply of consumers along line, e.g., long-line elec railroads and farming in areas adjacent to the line. Presented by M. A. Shatelen, Corr. Member AS USSR.

254T47

VATEIN, Ya.L., kand.tekhn.nauk; KRONFEL'D, I.D., inzh.; ROZHNOV, S.V.,
inzh.

Investigating the nonuniformity of wall thickness in the
automatic method of tube production. Trudy NTO Chern.met.
15:67-82 '59. (MIRA 13:7)
(Rolling(Metalwork)--Quality control)
(Tubes)

ROZHKOV, T., polkovnik meditsinskoy sluzhby Artillerii

Two recurrent operations of the bile ducts. Voen.med.zhur. no.12:
59-60 D '56. (MIRA 10:3)

(BILIARY TRACT, dis.
indic. for surg. in unclear diag.)

ROZHKOV, T., art., polkovnik med. sluzhby

Concerning V.I. Parmenov's book "Surgery of penetrating gunshot
wounds of the abdomen in the military sector". Voen.-med. zhur.
no.11:91-94 N '58. (MIRA 12:7)
(ABDOMEN--SURGERY)

ROZHKOV, V., master proizvodstvennogo obucheniya

Flaming seam. Prof.-tekh.obr. 21 no.3:22-24 Mr '64.
(MIRA 17:4)

1. Professional'no-tehnicheskoye uchilishche No.37 Moskvy.

ROZHKOV, V.; DRABKIN, I.

Regulating longshoremen's wages. Mor. flot 22 no.10:11-12 0 '62.
(MIRA 15:10)

1. Nachal'nik pogruzochno-razgruzochnogo rayona Klaypedskogo
porta (for Rozhkov). 2. Nachal'nik planovogo otdela Klaypedskogo
porta (for Drabkin).

(Wages—Longshoremen)

ROZHKOV, V., master proizvodstvennogo obucheniya

This is your younger comrade. Prof.-tekh. obr. 20 no.7:10-11
Jl '63. (MIRA 16:10)

1. Remeslennoye uchilishche No.15, Moskva.

ABRAMYAN, V., inzh.; ROZHN OV, V., inzh.

What handbooks do not say. Za rul. 21 no.5:18-19 My '63.
(MIRA 16:9)

1. Obshchestvennyy korrespondent zhurnala "Za rulem" na Izhevskom
mashinostroitel'nom zavode (for Abramyan). 2. Nachal'nik
tse ntral'noy zavodskoy laboratorii po ispytaniyu mototsiklov
Izhevskogo mashinostroitel'nogo zavoda (for Rozhnov).
(Motorcycles)

PCNAZDYR', K.; ROZHKOVA, V. (Novosibirsk)

Consolidation of rural district hospitals in Novosibirsk
Province. Zdrav. Ros. Feder. 7 no. 11: 27-29 N° 63.

(MIRA 16:11)

*

DOLMATOV, P.; ROZHKOVA, V.

Trail transportation, loading and unloading of raw sugar in
bulk. Mor. flot 20 no. 12:5-8 D '60. (MIRA 13:12)

1. Nachal'nik otдела mekhanizatsii Klaypedskogo porta (for Dolmatov).
 2. Nachal'nik pogruzochno-razgruzochnogo uchastka Klaypedskogo porta (for Rozhkov).
- (Sugar--Transportation) (Russia--Commerce--Cuba)
(Cuba--Commerce--Russia)

ROZHKOV, V., inzh.

The first steps. Za rul. no.12:2-3 D '57.

(MIRA 11:1)

1.Uralmashzavod, predsedatel' orgkomiteta neshtatnogo avtomoto-
kluba.

(Ural Mountain region--Automobile drivers)

ZYKOV, I.D.; ROZHKOV, V.A.

Calculation of wind-driven surface and depth currents based on the
example of the North Atlantic. Trudy GOIN no.81:37-53 '64.
(MIRA 17:11)

ROZHKOV, V.A., kand.ekonomicheskikh nauk

Efficiency of using oxygen, compressed air, and superheated steam in the open-hearth process. Sbor.trud.Otd. tekhn.-ekon. issl. TSNIICHI no. 1:13-33 '63.

Efficiency of the continuous casting of transformer steel.
Ibid.*59-62 (MIRA 17:6)

ROZHKOV, V.A., kand.ekonom.nauk; YEMEL'YANOV, A.N.

Economic aspects of the production of commercial-grade oxygen.
Sbor.trud.Otd. tekhn.-ekon.issl. TSNIICHM no. 1:63-78 '63.
(MIRA 17:6)

PONOMAREV, I.V., inzh.; KURKIN, Yu.P., inzh.; ROZHKOV, V.A., inzh.

Testing hammer crushers at the "Semenovska" Briquetting Plant.
Obog. i brik. ugl. no.5:31-33 '58. (MIRA 12:9)
(Ukraine--Coal preparation)
(Ukraine--Briquets (Fuel))

PONOMAREV, I.V., inzh.; KURKIN, Yu.P., inzh.; ROZHKOV, V.A., inzh.

Performance characteristics of MD-70 hammer crushers revolving
at a highspeed. Obeg. i brik. ugl. no.5:49-50 '58.

(MIRA 12:9)

(Coal preparation--Equipment and supplies)

ROZHKOV, V.A.; VASIL'YEV, V.N.

Use of digital computers for the approximation of discrete fields.
Trudy GOIN no.86:112-123 '65. (MIRA 18:9)

ROZHKOV, V.A.

130-7-7/24

AUTHOR: Rozhkov, V.A. (Cand.Econ.Sciences)

TITLE: Effectiveness of Using Oxygen in Steel Melting. (Effektivnost' primeneniya kisloroda pri vyplavke stali)

PERIODICAL: Metallurg, 1957, Nr.7, pp.12-15 (USSR)

ABSTRACT: A technical and economic analysis is made of the operation of open-hearth furnaces at the "Zaporozhstal'" works and the Nizhne-Tagil' metallurgical combine working with oxygenation of the flame. The analysis is based on the production of the same quantity of steel in working furnaces using oxygen and in many furnaces without oxygen. The "Zaporozhstal'" furnaces are 185 ton, those at the combine are 370 ton. Operating data for furnaces without oxygen and for two periods with oxygen are tabulated, showing a 15-16% increase in productivity through the use of oxygen. Because of the larger charge weight oxygen is more effectively utilized at the combine furnace. Time study of the various stages of the process has shown that oxygenation could, if bottlenecks were eliminated, lead to 20-25% increases (at least a 25% increase is required at "Zaporozhstal'" to lower the cost of steel) and this aspect is considered with tabulations of the durations of the periods, firing rates, fuel and oxygen consumptions per unit weight of

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DEGTYAREV, Lev Grigor'yevich; ROZHKOV, V.A., red.; PINIGIN, I.I., red.
izd-va; KARASEV, A.I., tekhn.red.

[Economic aspects of the blast furnace industry] Ekonomika
domennogo proizvodstva. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry
po chernoi i tsvetnoi metallurgii, 1960. 136 p. (MIRA 13:9)
(Blast furnaces) (Metallurgical plants--Accounting)

SAMARIN, A.M.; YEFIMOV, L.M.; VESEIKOV, N.G.; ORMAN, R.Z.; SHABANOV, A.N.;
 MOROZENSKIY, L.I.; GRANAT, I.Ye.; TOCHINSKIY, A.S.; ALYAVDIN, V.A.;
 DANILOV, P.M.; PETRIKEYEV, V.I.; POPOV, B.N.; BOBKOV, T.M.;
 ROSTKOVSKIY, S.Ye.; GAVRISH, D.I.; D'YAKONOV, N.S.; TIMOSHPOL'SKIY,
 M.N.; ROMANOV, V.D.; POCHTMAN, A.M.; MELESHKO, A.M.; PODGORETSKIY,
 A.A.; OFENGENDEN, A.M.; BRONSHTEYN, V.M.; FRIDANTSEV, M.V.; LIVSHITS,
 G.L.; ROZHKOVA, V.A.; RUTES, V.S.

Reports (brief annotations). Biul. TSNIICM no.18/19:15-16 '57.
 (MIRA 11:4)

1. Chlen-korrespondent AN SSSR (for Samarin). 2. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (for Rutes, Rostkovskiy, Fridantsev, Livshits, Rozhkov). 3. Stal'proyekt (for Shabanov). 4. Kuznetskiy metallurgicheskiy kombinat (for Alvavdin, Danilov, Petrikeyev). 5. Zavod "Elektrostal'" (for Popov). 6. "Dneprospetsstal'" (for Bobkov). 7. Glavogneupor Ministerstva chernoy metallurgii SSSR (for Gavrish). 8. Planovoye upravleniye Ministerstva chernoy metallurgii SSSR (for D'yakonov). 9. Otdel rabochikh kadrov, truda i zarplaty Ministerstva chernoy metallurgii SSSR (for Timoshpol'skiy). 10. Glavvtorchernet Ministerstva chernoy metallurgii SSSR (for Romanov). 11. Giprostal' (for Pochtman). 12. Zavod im. Voroshilova (for Meleshko). 13. Zavod "Zaporozhstal'" (for Podgoretskii). 14. Stalinskiy metallurgicheskiy zavod (for Ofengenden). 15. Nizhns-Tagil'skiy metallurgicheskiy kombinat (for Bronshteyn).

(Steel--Metallurgy)

PONOMAREV, Ivan Vasil'yevich; SAVRAN, Valentina Yakovlevna, ~~ROZHKOV, Vedia~~
Aleksyevich; MARGOLIN, V.A., otvetstvennyy redaktor; GAREER, T.N.,
~~redaktor izdatel'stva~~; ZAZUL'SKAYA, V.P., tekhnicheskii redaktor

[Machines for screening and crushing coal; a survey of foreign
engineering] Mashiny dlia grokhochenia i drobleniia uglia; obzor
inostranoi tekhniki. Moskva, Ugletekhizdat, 1956. 59 p. (MLRA 10:1)
(Coal preparation)

ROZHKOV, V.
VELIKOPOL'SKIY, I.; DUDAREV, T.; ROZHKOV, V.

Pay more attention to the practical work of students. Muk.-elev.
prom. 24 no.1:29 Ja '58. (MIRA 11:2)

1. Byvshiye uchashchiyesya Omskogo mukomol'no-elevatornogo tekhnika.
(Grain milling—Study and teaching)

ACC NR: AR7004097 (N) SOURCE CODE: UR/0169/66/000/012/V014/V014

AUTHOR: Davidan, I. N.; Rozhkov, V. A.; Andreyev, B. M.; Lopatukhin, L. I.

TITLE: Results of investigations of oceanic wave conditions

SOURCE: Ref. zh. Geofizika, Abs. 12V87

REF SOURCE: Sb. 2-y Mezhdunar. okeanogr. kongress, 1966. Tezisy dokl. M., Nauka, 1966, 133-134

TOPIC TAGS: oceanography, ocean dynamics, ~~wave spectral structure~~
hydrographic survey, correlation function, stochastic process

ABSTRACT: Processed data from wave observations at the State Institute of Oceanography (more than 200 wave recordings, each comprising several "wavegrams", and close to 50 stereophotogrammetric sheets) are presented. The processing of observations from two ships with a base ranging from 1 cable length to 1 nm has yielded statistical characteristics which are adequate for practical purposes. In the case of steady swell at a sampling volume > 300 waves, the maximum divergence of one-dimensional distributions (of "visible" waves) does not exceed 5%. In two-dimensional distributions, similar divergencies occur at a

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UDC: 551.466.326

ACC NR: AR7004097

sampling volume > 600 waves. An investigation of the sampling variability of correlation and spectral functions in 20-min realizations showed that the divergences between empirical corelograms are relatively small only within a 20-sec correlation interval increase linearly and with major shifts. Sampling variability of the spectral density function of the swell coordinates obtained by the T'yuki methodology is described by the X^2 distribution. The basic parameters of empirical spectral analysis (optimal length of process realization, truncation point of the correlogram) are evaluated and recommendations on the selection of smoothing functions are made. A new criterion for determining the truncation point of statistical correlogram evaluation is introduced under the assumption that up to the first envelope minimum, the shape of the correlation function is determined by the stochastic nature of the swell, and following this minimum, by the presence of harmonic components. A relationship is established between the optimal length of the realization which leads to stable evaluations of the spectral density function and the natural truncation point of the correlogram, which is defined as the envelope's first minimum. If the length of the realization does not make it possible to determine reliably the natural truncation point, it is necessary to apply weight functions with a high rate of decrease. As a result, stable evaluations of spectral density functions are calculated. Typical features of the spectral structure of the swell

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ACC NR: AR7004097

are specified and some relationships for calculating spectral functions of wave coordinates are established. Computational relationships reflect accurately the typical features of the waves spectrum. From the authors' summary. [Translation of abstract] [DW]

SUB CODE: 08/

Card 3/3

USSR/Human and Animal Morphology (Normal and Pathological) Lymph System S-4

Abs Jour : Ref Zhur - Biol., No 12, 1958, No 55129

Author : Rozhko V.J.

Inst : Leningrad Institute of Medicine and Sanitary Hygiene

Title : The Lymph System in the Interior of the Thyroid Gland.

Orig Pub : Tr. Leningr. san. gigen. med. in-ta, 1957, 35, 227-232

Abstract : The lymphatic channel of the thyroid gland (TG) was studied, whereby 25 adult corpse specimens were injected with Gerot's substance. It was established that the three-dimensional capillary network is a repetition of the connective tissue frame form and is situated among follicular groups. Lobules and lymphatic nets which usually surround the lobules were not found in TG. The lymphatic capillaries were separated from the follicular epithelium by the connective tissue strata, where the blood-carrying capillary nets are situated. The small and medium-sized TG arterioles are surrounded by lymphatic capillary nets, which have a widely spread anastomosis with

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USSR/Human and Animal Morphology (Normal and Pathological) Lymph S-4
System

Abs Jour : Ref Zhur - Biol., No 12, 1958, No 55129

the lymphatic nets surrounding the follicles. The larger arteries are surrounded by lymphatic nets which are interconnected with the neighboring lymphatic capillaries. The lymphatic follicular capillaries which are situated under the TG capsule, are partly connected with the lymphatic net of the capsule, and partly connected with the lymphatic net of the capsule, and partly with the efferent lymphatic vessels directly. A network of lymphatic vessels is situated upon the TG surface. It consists of a deep and shallow layer. The lymphatic capillaries of the interior organs and the deep efferent vessels flow into the vessels of the deeper layers. Following the course of the blood vessels, the shallow efferent lymphatic vessels proceed in the direction of the regional lymphatic nodes.

Card : 2/2

SOV/137-58-7-14371

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 61 (USSR)

AUTHOR: Rozhkov, V.A.

TITLE: Technical and Economic Effectiveness of the Use of Oxygen in
Steelmaking (Tekhniko-ekonomicheskaya effektivnost' pri-
meneniya kisloroda pri vyplavke stali)

PERIODICAL: Tr. Nauchno-tekhn. o-va chernoy metallurgii, 1957, Vol 18,
pp 193-198

ABSTRACT: Ref. RZhMet, 1958, Nr 1, abstract 330

1. Steel--Production 2. Oxygen--Metallurgical effects 3. Oxygen
--Economic aspects

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1/6/11132, 2/11
PONOMAREV, I.V., inzh.; SAVRAN, V.Ya., inzh.; ROZHKOV, V.A., inzh.; KURKIN,
Yu.P., inzh.

New machine for the preparation and crushing of coal samples. Sbor.
inform. po obog. i brik. ugl. no.1:53-58 '57. (MIRA 11:4)
(Sampling) (Coal)

KOTS, G.A.; RAZUMNAYA, Ye.G.; ROZHKOV, V.D.; PAVLENKO, G.G.; STEPANENKO, L.G.; ROZHKOVA, Ye.V., nauchnyy red.; ANTOKOL'SKAYA, A.M., red. izd-va; BYKOVA, V.V., tekhn. red.

[Methodical guide to the use of ore separation units for the mineralogical analysis of ores and rocks.] Metodicheskoe rukovodstvo po primeneniui malogabaritnykh ustanovok dlia mineralogicheskogo analiza rud i gornykh porod. Moskva, Gosgeoltekhizdat, 1963. 110 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut mineral'nogo syr'ia. Trudy, no.10)
(MIRA 17:1)

ROZHKOV V. G.

ROZHKOV, V.G., inzh.

Pneumatic heads used in superfinishing surfaces. Mashinostroitel'
no.9:19-21 S '57. (MLRA 10:9)

1. Ural'skiy zavod tyazhelogo mashinostroyeniya imeni Ordzhonikidze.
(Grinding machines--Attachments)

MALAN'IN, M.I.; KOTS, G.A.; PODKOSOV, L.G.; ROZHKOV, V.D.

Method for the quick evaluation of the ability of minerals to
undergo dressing. Razved. i okh. nedr 30 no.10:19-23 0 '64.
(MIRA 18:11)

1. Gosudarstvennyy geologicheskii komitet SSSR (for Malan'in).
2. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo
syr'ya (for Kots, Podkov, Rozhkov).

L 23313-65 EWT(d) Pg-4 IJP(c)

ACCESSION NR: AR5002274

S/0044/64/000/010/B039/B040

SOURCE: Ref. zh. Matematika, Abs. 10B188

AUTHOR: Rozhkov, V. I.

TITLE: The asymptotics of solutions of equations of the neutral type with small retardation

CITED SOURCE: Tr. Seminara po teorii differents. uravneniy s otklonyayushchimsya argumentom. Un-t druzhby narodov im. Patrisa Lumumby, v. 2, 1963, 208-222

TOPIC TAGS: asymptotic solution, small retardation, formal series, neutral type solution

TRANSLATION: The equation (1) is discussed

$$\dot{x}(t) = f(t, x(t), x(t-\Delta t), x(t-\Delta t)), \quad (1)$$

where Δt is a small retardation, and the solution of this equation for the initial condition is $x(t) = \varphi(t)$, $0 \leq t \leq \Delta t$. This solution is constructed by means of a formal series according to the step-by-step Δt method proposed by

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L 23313-65

ACCESSION NR: AR5002274

A. B. Vasil'yeva. The main content of the paper is concerned with proof of the following theorem: If in the region $0 < t \leq T$ the right part of the equation (1) satisfies the condition $|\partial/\partial x(t-\Delta t)| < a < 1$ and together with the initial function $\varphi(t)$ has continuous derivatives to and including the $(n+r)$ order, then, if Δt is sufficiently small, the inequality

$$|x - Z_n| < c\Delta t^{n+r},$$

will occur where Z_n is the set of the first n members of the formal series developed, c is a constant independent of t and Δt . This theorem is also extended to the system of equations of form (1). Yu. Ryabov

SUB CODE: MA

ENCL: 00

Card 2/2

ROZHKOV, V.I. (Moskva)

Asymptotic presentation of the periodic solution of an equation of the neutral type with slightly retarding argument. Prikl. mat. i mekh. 27 no.6:1143-1147 N-D '63. (MIRA 17:1)

L 9940-65 ENT(d) IJP(c)/ASD(a)-5/ANETR/AFWL/ASD(d)/ESD(dp)/ESD(t)/RAEM(t)
 ACCESSION NR: AT4047144 8/0000/64/000/000/0161/0175

AUTHOR: Rozhkov, V. I. (Moscow)

TITLE: Asymptotic solutions of equations of the neutral type with a small delay

SOURCE: Chislenny*ye metody* resheniya differentsial'ny*kh i integral'ny*kh uravneniy i kvadrurny*ye formuly* (Numerical methods of solving differential and integral equations and quadrature formulas); sbornik statey. Moscow, Izd-vo Nauka, 1964, 161-175

TOPIC TAGS: differential equation, boundary value problem, initial value problem, asymptotic formula, approximation, ordinary differential equation

ABSTRACT: The author considers the neutral type equation

$$\dot{x}(t) = f(t, x(t), x(t - \Delta t), \dot{x}(t - \Delta t)).$$

(1)

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L 9940-65

ACCESSION NR: AT4047144

where $\Delta t > 0$ is a small constant delay. The following initial conditions are imposed:

$$x(t) = \varphi(t), \quad u(t) = \varphi(t) \quad \text{for } 0 < t < \Delta t. \quad (2)$$

The problem is considered for a bounded interval of the variable t , and a bounded range of variation for the variables upon which f depends. It is assumed that $f(t, x, y, u)$ and $f_u = (\partial / \partial u) f(t, x, y, u)$ are continuous in this bounded region. On the basis of these assumptions, the author develops an asymptotic solution for the differential equation valid for $\Delta t \rightarrow 0$, having the form of a uniform estimate valid throughout the entire range of t . "The author expresses thanks to A. B. Vasil'yeva for her help with the work." Orig. art. has: 45 formulas.

ASSOCIATION: none

SUBMITTED: 11Sep62

ENCL: 00

SUB CODE: MA

NO REF SOV: 001

OTHER: 000

Card 2/2

L 9942-65 EWT(d) IJP(c)/ASD(d)/ESD(dp)/AFETR/AFWL/ASD(a)-5/AFTC(p)/
 ACCESSION NR: AT4047145 ESD(t) MLK S/0000/64/000/000/0176/0182

AUTHOR: Rozhkov, V.I. (Moscow)

TITLE: Asymptotic formulae with respect to a small delay for the solution of an equation of the neutral type with two delays

SOURCE: Chislenny*ye metody* resheniya differentsial'ny*kh i integral'ny*kh uravneniy i kvadrurny*ye formuly* (Numerical methods of solving differential and integral equations and quadrature formulas); sbornik statey. Moscow, Izd-vo Nauka, 1964, 176-182

TOPIC TAGS: differential equation, boundary problem, initial value problem, asymptotic estimate, approximation, ordinary differential equation, delay

ABSTRACT: The present paper considers boundary value problems for an equation of the neutral type with two constant delays, Δ and h , the former being small. The canonical example of such a problem is

$$\dot{x}(t) = f(t, x(t), x(t - \Delta), x(t - h), \dot{x}(t - \Delta), \dot{x}(t - h)), \quad (1)$$

$$x(t) = \varphi(t) \quad \text{on } -h \leq t \leq 0. \quad (2)$$

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L 9942-65

ACCESSION NR: AT4047145

on the interval $[-h, T]$. The solution to this equation is studied as $\Delta t \rightarrow 0$. The two theorems of the paper allow a uniform asymptotic estimate of the solution of the equation for $t \in [0, T]$ with the exception of certain singular t satisfying $0 < t - t_k < \delta$ ($k = 0, 1, \dots, k_0$) where $\delta > 0$ may be any number however small, and the t_k are defined as points of discontinuity from the right of the derivative $\dot{\bar{x}}(t)$, appearing in the degenerate equation

$$\begin{aligned} \bar{x}(t) &= f(t, \bar{x}(t), \bar{x}(t), \bar{x}(t-h), \dot{\bar{x}}(t), \dot{\bar{x}}(t-h)), \\ \bar{x}(t) &= \varphi(t) \text{ for } -h \leq t < 0. \end{aligned} \quad (3)$$

The asymptotic estimate of the solution has the form

$$\begin{aligned} \left| \bar{x}(t, \Delta t) - \sum_{p=0}^n \Delta t^p \bar{x}_{p,k}(t) \right| &< C \Delta t^{n+1}, \\ \left| \dot{\bar{x}}(t, \Delta t) - \sum_{p=0}^n \Delta t^p \dot{\bar{x}}_{p,k}(t) \right| &< C \Delta t^{n+1}, \quad k = \left[\frac{t-\delta/2}{h} \right], \end{aligned} \quad (*)$$

where the $\bar{x}_{p,k}(t)$ are certain functions defined previously by the author. The method employed in the paper can be used analogously to develop estimates for solutions to vector

Card 2/3

L 9942-65

ACCESSION NR: AT4047145

equations of a similar type. Orig. art. has: 15 formulas.

ASSOCIATION: none

SUBMITTED: 08Jul62

NO REF SOV: 002

ENCL: 00

OTHER: 000

SUB CODE: MA

Card 3/3

ROZHKOV, V.I.

Boundary value problem for an equation of the neutral type with a small delay. Trudy Sem. po teor. diff. urav. s otklon. arg. 3: 47-56 '65.

Behavior of the solutions to a neutral type system of equations when the time lag tends to zero. Ibid.:146-152

Neutral type equations with a small delay on an infinite interval
Ibid.:186-203 (MIRA 19:1)

L 44171-66 EWT(d) IJP(c)
ACC NR: AP6010542

SOURCE CODE: UR/0376/66/002/003/0407/0416

AUTHOR: Rozhkov, V. I.

ORG: Peoples Friendship University im. P. Lumumba (Universitet druzhby narodov)

TITLE: Equations of the neutral type with a variable small delay

SOURCE: Differentsial'nyye uravneniya, v. 2, no. 3, 1966, 407-416

TOPIC TAGS: differential equation, small parameter, neutral equation, variable delay, asymptotic solution, DIFFERENTIAL EQUATION SYSTEM

ABSTRACT: In earlier work by the author (Sb. Chislennyye metody resheniya differentsial'nykh i integral'nykh uravneniy i kvadraturnyye formuly. Izd-vo Nauka, 1964, str. 162--176) and by A. B. Vasil'yeva (Zhurnal vychisl. matem. i matem. fiz. 2, No. 5, 768--786, 1962), studies were made of the behavior of the solution of a system of equations of the neutral type with a small constant delay Δt

$$\dot{x}_i(t) = f_i(t, x_1(t), x_1(t - \Delta t), x_1(t - \Delta t)),$$

$$x_i(t) = \varphi_i(t) \text{ при } 0 \leq t \leq \Delta t, (i, j = 1, 2, \dots, m)$$

It was established that, contingent on the satisfaction of certain limitations imposed on the functions f and φ , the solution $x(t, \Delta t)$ of this system tends, as $\Delta t \rightarrow 0$, toward the solution of a related system. In the current article, the earlier work is

UDC: 517.949.2

Card 1/2

L 44171-66

ACC NR: AP6010542

extended to the case of a variable small delay, where the neutral-type equation is given as

$$\dot{x}(t) = f(t, x(t), x(t - \mu(t, h)), \dot{x}(t - \mu(t, h))).$$

The small variable delay is denoted by $\mu(t, h) \geq 0$ defined on the interval $0 \leq t \leq T$, and $h > 0$ is the small parameter. With the substitutions $x = u$, $z = z(t - \mu(t, h))$, the basic equation may be written as

$$\dot{u} = f(t, x, [x], [u]), \quad \dot{x} = u.$$

The solution of this system is studied on the interval $0 \leq t \leq T$, subject to the initial conditions

$$x(t) = \varphi(t), \quad u(t) = \psi(t) \quad \text{при } t \in E_0 = \{t > 0: t - \mu(t, h) \leq 0\}.$$

A limit theorem is stated and proved, demonstrating the relationships between the given problem and the previous work. Asymptotic formulae are developed for resolving the problem in the vicinity of an initial point and beyond the initial point. The author thanks L. N. Zayts for assisting in the work. Orig. art. has: 20 equations.

SUB CODE: 12/ SUBM DATE: 19Jul65/ ORIG REF: 002

LS

Card 2/2

L 37740-66 EWT(d) IJP(c)
ACC NR: AT6014861

SOURCE CODE: UR/3125/65/003/000/0047/0056

AUTHOR: Rozhkov, V. I.

24
B+1

ORG: none

TITLE: A boundary value problem for a neutral-type equation with a small time lag

SOURCE: Moscow. Universitet druzhby narodov. Seminar po teorii differentsial'nykh uravneniy s otklonyayushchimsya argumentom. Trudy, v. 3, 1965, 47-56

TOPIC TAGS: boundary value problem, difference equation, ordinary differential equation, asymptotic solution, initial value problem, existence theorem

ABSTRACT: This paper examines an ordinary differential difference equation of the neutral type:

$$\dot{x}(t) = f(t, x(t), x(t-\Delta t), \dot{x}(t-\Delta t)),$$

where $\Delta t > 0$ is a small constant time lag. There is a one-parameter set of solutions of this equation determined by the initial conditions

$$x(t, \Delta t; C) = C\varphi(t), \text{ at } 0 \leq t \leq \Delta t,$$

where $\varphi(t)$ is a continuously differentiable function and such that $\varphi(0) \neq 0$, and C is a parameter that takes all real values. It is shown that under definite conditions on the function $f(t, x, y, u)$ the problem has a unique solution from the set $x(t, \Delta t; C)$. Existence theorems for two boundary value problems are proved: 1) for the case of a smooth solution; and 2) for the case of a solution with an initial

Card 1/2

L 37740-66

ACC NR: AT6014861

discontinuity. Asymptotic formulas with respect to Δt for solving the problem are constructed. Orig. art. has: 18 formulas.

SUB CODE: 12/ SUBM DATE: 00May63/ ORIG REF: 004

Card 2/2 vmb

ROZHKOV, V.M.

Cobalt salts as prophylactic and therapeutic antidotes in cyanide poisoning. V. M. Rozhkov, N. S. Stepanenko and K. M. Usova. *J. Physiol.* (U. S. S. R.) 19, 882-4 (1935).—Co salts, like $\text{Co}(\text{NO})_3$, CoCl_2 , CoSO_4 , produce a prophylactic and therapeutic effect on white mice poisoned by NaCN . The mortality rate sinks from 83-85% to 7-11%. H. Cohen

ROZHKOV, V.M.

118

Processes and Properties Note

Methemoglobin builders as antidotes in fluoride poisoning. O. G. Vinogradova and V. M. Rozhkov. *J. Physiol. (U. S. S. R.)* 19, 585-6 (1935). The subcutaneous injection of NaNO_2 into white mice poisoned by fluorides causes a drop in the death rate from 82% (control) to 26%. The methemoglobin produced by the NaNO_2 unites with the fluoride, lowering the concn. of the latter in the blood. H. Cohen

ASB-514 METALLURGICAL LITERATURE CLASSIFICATION

ROZHKOV, V.M.

114

The use of Rongalite as an antidote of resorptive action in acute sublimate poisoning. V. M. Rozhkov and V. A. Arkhipov. *Sovet. Vrachebnyi Zhur.* 42, 515-20(1938); *Chem. Zvest.* 1939, I, 4048.—The Na salt of formaldehyde-sulfonic acid (Rongalite) was injected intravenously as an antidote into 12 rabbits poisoned with sublimate. The dose was 0.4 g. per kg. of body wt. Of the 12 animals, 11 recovered and 1 died. All the controls died. M. G. M.

ASACSLA METALLURGICAL LITERATURE CLASSIFICATION

ROZHIKOV, V. M.

"Mechanism of the Action of Arsenic Hydrogen," *Formakol. i Toxicol.*, 9, No. 3, 1946.

Chair Technology, Nav. Med. Acad., -1946-.
probably Toxicology

GORELIK, A.M.; ROZHKOV, V.M., professor, nachal'nik.

Non-efficacy of subcutaneous and intramuscular administration of lobeline
and "cytitone." Farm. i toks. 16 no.2:22-24 Mr-Apr '53. (MLR: 6:6)

1. Kafedra toksikologii i Leningradskogo meditsinskogo instituta imeni
akademika I.P. Pavlova. (Stimulants)

L 33966-65 EWT(d)/EWT(m)/ENA(d)/EWP(v)/EWP(t)/EWP(e)/EWP(h)/EWP(c)/EWT(1)/ENA(c)

Pf-4 JD/HW

ACCESSION NR: AR5005708

S/0276/64/000/010/V004/V004 30 6

SOURCE: Ref. zh. Tekhnol. mashinostr. Sv. t., Abs. 10V23

AUTHOR: Rozanov, B.V.; Shofman, L.A.; Gol'man, L.D.; Maksimov, L.Yu.; Rozhkov, V.M.; Andreyev, A.S.; Shcheglov, V.F.; Tokarskiy, A.P.

TITLE: Development of powerful forging presses and new pressure metalworking methods

CITED SOURCE: Tr. Vses. no.-i. i proyektno-konstruk. in-ta metallurg. mashinostr., sb. 12, 1964, 353-391

TOPIC TAGS: pressure metalworking, hydraulic press design, hammer design

TRANSLATION: The article surveys the activities of VNIMETMASH from its inception. Described are designs of hydraulic presses and hammers developed at the Institute, as well as new technological processes for pressure metalworking (including hydrostatic techniques) Bibl. with 21 titles; 26 illustrations. 18

SUB CODE: IE, MM

ENCL: 00

Card 1/1

ROZHKOV, V.M.; GOSTREM, R.V.

Pulse voltmeter with increased accuracy. Izv. SO AN SSSR no.10:
115-117 '63. (MIRA 17:11)

1. Institut radiofiziki i elektroniki Sibirskogo otdeleniya AN
SSSR, Novosibirsk.

ACC NR: AP7001946

SOURCE CODE: UR/0120/66/000/006/0116/0119

AUTHOR: Rozhkov, V. M.

ORG: none

TITLE: Exact-amplitude pulse generator

SOURCE: Pribery i tekhnika eksperimenta, no. 6, 1966, 116-119

TOPIC TAGS: generator, pulse generator

ABSTRACT:

A pulse generator circuit is described based on the principle of anode current switching in a 6L1P-type tube. The 6L1P tube was selected because it is capable of operating with any positive voltage on the control grid and because of the high stability of its anode characteristic under saturation conditions. The principle circuit diagram of the generator is shown in Fig. 1. The firing pulse (amplitude, 120 v) is picked off from the blocking oscillation (L_1) and passed on to the control grid (L_2) of the 6L1P tube. Pulse shaping occurs in the anode load of the tube, which is in the form of a three-decade voltage divider. If R_I , R_{II} , and R_{III} are the resistance components of each decade, then the relationship between them will be $2R_I = 10R_{II}$ and $2R_{II} = 10R_{III}$. From the shaping stage the pulses arrive at the cathode repeater (L_3). When a 6N23P-type dual triode is ...

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UDC: 621.317.765.4

ACC NR: AP7001946

used, the transmission coefficient remains constant for a minimum load resistance of 10K ohm. When the effect of the transmission coefficient is considered, the pulses from the shaping stage, in accordance with the position of the voltage divider, must have an amplitude several percent larger. For this purpose, coarse and fine anode current adjustments are made in the 6L1P tube. The coarse adjustment is made by the voltage of the first accelerator, and the fine adjustment by the negative voltage of the focusing electrode (potentiometer R_3). The anode current adjustment is controlled with the aid of microammeter I_1 by comparing the voltage drop on calibrating resistor R_2 with reference voltage E_{ref} . A parametric difference stabilizer consisting of two stabilitrons D_1 and D_2 serves as the reference voltage source. The proposed generator circuit has the following basic characteristics: pulse amplitude adjustment accuracy, $\pm 0.7\%$; pulse stability, $\pm 0.3\%$; polarity, positive and negative; pulse width, 1—3 μ sec; frequency, 1—6kc; output impedance, 10K ohm. Orig. art. has: 2 figures.

SUB CODE: 09/ SUBM DATE: 24Nov65/ ORIG REF: 006/ OTH REF: 002
ATD PRESS: 5112

Card 3/3

ACC NR: AP7001960

SOURCE CODE: UR/0120/66/000/006/0189/0190

AUTHOR: Rozhkov, V. M.

ORG: none

TITLE: Operation of secondary emission tubes under conditions of linear amplification

SOURCE: Pribory i tekhnika eksperimenta, no. 6, 1966, 189-190

TOPIC TAGS: electron tube, amplifier design, pulse amplifier

ABSTRACT:

Some basic recommendations are presented concerning the design of linear wide-band amplifier circuits using 6 VIP-type secondary emission tubes. Experimental studies of such circuits indicate the following: 1) Secondary emission tubes should be used for amplifying signals whose amplitude is not less than 0.1 v. 2) Characteristics of secondary emission tubes have practically no linear segments. 3) The dynode characteristic should be divided into three regions depending on dynode voltage E_d : a) $E_d = 50-100$ v, the region of dynode current rise in which the dynamic characteristic is steeper and less linear than the static characteristic and in which maximum gain is obtained; b) $E_d = 100-150$ v, the region of

Card 1/2

UDC: 621.385.15:621.375

ACC NR: AP7001960

a relatively flat dynode characteristic in which the smallest dependence of gain on dynode voltage and the highest linearity are observed, and c) at $E_d = 150$ v, the dynode current begins to decrease and undistorted amplification of symmetric or negative signals is obtained. 4) All amplifiers using secondary emission tubes may be divided into amplifiers with a load across the anode (it is desirable that $E_a = 2E_d$), a load across the dynode, and a load across both. Two amplifier circuits with a 1% linearity and a 30-nsec rise time are presented. One of the circuits has gain 10 for positive and negative pulses in the 0.1—1 v range, and the other has gain 23 for positive and negative pulses in the 0.1—0.5 v range. Orig. art. has: 2 figures.

SUB CODE: 09/ SUBM DATE: 24Nov65/ ORIG REF: 002/ OTH REF: 001
 ATD PRESS: 5112

Card 2/2

L 1653-66 EWT(m)/EWP(t)/EWP(k)/EWP(b)/EWA(c) JD/HW

ACCESSION NR: AP5021620

UR/0286/65/000/013/0101/0101
621.979.984.002.54

AUTHOR: Shofman, L. A.; Gedymin, Yu. Yu.; Rozhkov, V. M.; Starikov, V. S.;
Kryuchkov, M. A.; Davydov, G. V.; Akhmetshin, M. A.; Kvitnitskiy, A. N.;
Rogozinskiy, A. A.; Feygin, V. I.; Yegorov, I. V.; Roytbarg, L. Kh.; Yermanok, M. Z.
Rodionov, A. S.

TITLE: Method for tube extrusion. Class 49, No. 172601

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 13, 1965, 101

TOPIC TAGS: metal, metal tube, metal extrusion, tube extrusion

ABSTRACT: This Author Certificate introduces a method for tube extrusion from solid ingots. In this method the metal is first divided into several strips which are subsequently welded in the next die. In order to reduce the extrusion pressure, the diameter of the ingot should be smaller than that of the extruded tube. [AZ]

ASSOCIATION: none

SUBMITTED: 30Jan62
NO REF SOV: 000
Card 1/1 DP

ENCL: 00
OTHER: 000

SUB CODE: MM
ATD PRESS: 4093

L 1655-66 EWT(d)/EWT(m)/EWP(v)/EWP(t)/EWP(k)/EWP(h)/EWP(b)/EWP(l)/EWA(c)

JD/HW
ACCESSION NR: AP5021621

UR/0286/65/000/013/0102/0102
621.979.984.002.54

AUTHOR: Shofman, L. A.; Gedymin, Yu. Yu.; Rozhkov, V. M.; Starikov, V. B.;
Kryuchkov, M. N.; Davydov, G. V.; Akhmetshin, M. K.; Kvitnitskiy, A. N.;
Rogozinskiy, A. A.; Feygin, V. I.; Yegorov, I. V.; Roytbarg, L. Kh.; Yermanok, M. Z.;
Rodionov, A. S.

TITLE: Tool for extruding of tubes. Class 49, No. 172602

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 13, 1965, 102

TOPIC TAGS: tube, metal tube, tube extrusion, extrusion tool, extrusion press

ABSTRACT: This Author Certificate introduces a tool for the extrusion of tubes from solid ingots, i.e., container, mandrel, welding chamber, and die. In order to increase the rigidity of individual tools and ensure their precise position in relation to one another, thereby improving the accuracy of the extruded tubes, the mandrel is rigidly mounted in relation to the container; it carries an internal die and is provided with a central compartment for the ingot. Radial canals connect this compartment with the welding chamber, which is formed between container wall and the mandrel surface.

[AZ]

Card 1/2

L 1655-66

ACCESSION NR: AP5021621

ASSOCIATION: none

SUBMITTED: 31Jan62

NO REF SOV: 000

ENCL: 00

OTHER: 000

SUB CODE: MM

ATD PRESS: 4095

Card

2/2

AP

L 56659-65

ACCESSION NR: AP5011891

UR/0120/65/000/002/0174/0176
621.374.32

AUTHOR: Zinov'yev, G. S.; Rozhkov, V. M.

TITLE: Time meter with dekatrons and semiconductor devices

SOURCE: Pribory i tekhnika eksperimenta, no. 2, 1965, 174-176

TOPIC TAGS: time meter, timer 10

ABSTRACT: A simple transistor-start dekatron timer is described. The power-supply frequency is used as a timing element, the a-c voltage being converted into pulses; the pulse frequency is divided by 5 by a tunnel-diode scaler. An OG-4 Soviet-made dekatron is controlled by a single transistor and an RC circuit; the dekatron operates from 80-100 v pulses. The timer is started and stopped by pushbutton; its supply-voltage (90 v) stability is required to be within 1%. Orig. art. has: 2 figures.

ASSOCIATION: Novosibirskiy elektrotekhnicheskiy institut (Novosibirsk Electrotechnical Institute)

SUBMITTED: 13Mar64

ENCL. 00

SUB CODE: EC

NO REF SOV: 002

OTHER: 002

Card 1/1

ROZHKOV, V.M.; TSYPER, V.A.; KRIVONOS, G.A.; CHERNOSHTAN, V.K.; SAPRYKIN, A.A.

Mastering the production of drill pipes with inner tips made of the
B95 alloy. TSvet. met. 36 no.9:79-84 S '63. (MIRA 16:10)

S/902/62/000/000/004/015
E193/E383

AUTHORS: Shofman, L.A. and Rozhkov, V.M.
TITLE: Fabrication of profiles and tubes by extrusion
SOURCE: Novyye protsessy obrabotki metallov davleniyem;
doklady Soveshch. po novym prots. obrab. met.
davleniyem v mashinostr., 1960. Ed. by
V. D. Golovlev. Moscow, Izd-vo AN SSSR, 1962.
61 - 65

TEXT: This is a general discussion of recent development in the extrusion of articles with continuous or intermittently-varying cross-section. The advantages of the process are discussed and its principles are explained by briefly describing the following: 1) extrusion of profiles with a cross-section varying in a step-like fashion; 2) inverted extrusion of angle-profile with continuously varying cross-section; 3) inverted extrusion of internally-ribbed tubes with continuously varying outside and inside diameters and wall thickness; 4) direct extrusion of profiles whose cross-section varies in an irregular manner. The last of these processes is based on the application of an independently driven mandrel; its principle is schematically

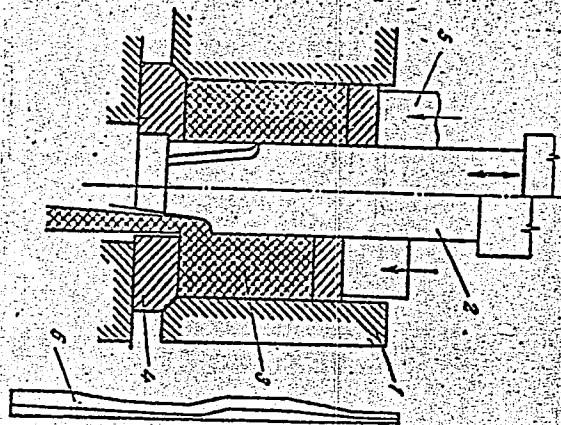
Card 1/2

Fabriaction of profiles

S/902/62/000/000/004/015
E195/E383

demonstrated in Fig. 4 showing: 1 - container; 2 - profiled
mandrel; 3 - extrusion billet; 4 - extrusion die; 5 - extrusion
ram; 6 - extruded profile. There are 5 figures.

Fig. 4:



Card 2/2

ROZHKOV, V.M.; SHOFMAN, L.A.; ROZANOV, B.V.; KUZ'KO, Yu.P.; PONGIL'SKIY, N.F.;
LIVANOV, V.A.; LUCHIN, V.V.; KUZNETSOV, K.I.; TSYPER, V.A.;
CHERNOSHIAN, V.K.

Points for pipe presses. Biul.TSIICHM no.9:52 (MIRA 15:4)
(Pipe mills--Equipment and supplies)

BOYARKO, Yu.L.; ROZHKOV, V.P.

Anisotropy of the mechanical properties of rocks as the cause
of azimuthal deflection in core drilling. Izv.vys.ucheb.zav.;
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SULAKSHIN, S.S.; GREBENYUK, A.A.; BABUROV, V.I.; POBEZHIMOV, N.F.; ROZHKOV, V.P.;
KHRAMENKOV, V.G.

Development and introduction of the ~~DKS~~-1-TPI double core drill.
Razved. i okh. nedr 29 no.1:57-59 Ja '63. (MIRA 16:2)

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(Core drilling--Equipment and supplies)

ROZHKOV, V. S.

Pomegranate - Diseases and Pests

Measures to combat the pomegranate moth. Sad i og. no. 1, 1952.

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ROZHKOV, V.V. (Kiyev).

Testing an induction-type supply meter. Politekh. obuch. no.6:86-
87 Je '58. (MIRA 11:6)

(Electric meters--Testing)

ROZHKOV, V.V.; KULINICH, D.D., red.; KALACHEV, S.G., tekhn. red.

[Solid propellant rocket engines] Raketnye dvigateli tverdogo topliva. Moskva, Voenizdat, 1963. 92 p.

(MIRA 16:8)

(Solid propellant rockets)

AM4008926

BOOK EXPLOITATION

S/

Rozhkov, V. V.

Solid fuel rocket engines (Raketny*ye dvigateli tverdogo topliva)
Moscow, Voenizdat M-va obor. SSSR, 63. 0092 p. illus., 15,000
copies printed.

Series note: Za voyenno-tekhnicheskiye znaniya. Raketnaya tekhnika.

TOPIC TAGS: jet, rocket, rocket fuel, rocket engine, solid rocket
fuel, solid fuel rocket engine, rocket thrust, rocket thrust con-
trol, rocket engine construction

PURPOSE AND COVERAGE: The brochure is intended for soldiers and
sergeants, students in military schools, and also a wide group of
civilian youth interested in rocket technology. It contains a
description of solid fuel rocket engines and their future prospects.
The factual material is based on data published in Soviet and non-

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AM4006926

Soviet unclassified press.

TABLE OF CONTENTS [abridged]:

Introduction - - 3

Ch. I. Main concepts and characteristics of solid fuel rocket engines - - 7

Ch. II. Construction of solid fuel rocket engine - - 26

Ch. III. Regulation of thrust of solid fuel rocket engine - - 60

Ch. IV. Prospects of development and proposed modifications of solid fuel rocket engines - - 83

Conclusion - - 92

SUB CODE: FL, AI, AR

SUBMITTED: 30May63

NR REF SOV: 000

OTHER: 000

DATE ACQ: 04Dec63

Card 2/2

L 3623-66 EWT(m)/EPA(w)-2/EWA(m)-2. IJP(c)

ACCESSION NR: AP5024025

UR/0057/65/035/009/1525/1531

AUTHOR: Bakay, A.S.; Lyubarskiy, G.Ya.; Rozhkov, V.V.

36
B

TITLE: Asymptotic solution of a diffusion problem and its application to the theory of cyclic particle-storage devices

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 35, no. 9, 1965, 1525-1531

TOPIC TAGS: particle motion, particle scatter, cyclic accelerator, physical diffusion, stochastic process, mathematic method, mathematic operator

ABSTRACT: The authors show largely by verbal arguments that if a system has an asymptotically stable orbit and is destroyed when its representative point crosses a certain closed surface in phase space, then under certain conditions its mean life time when it is subjected to stochastic forces can be calculated by finding the smallest eigenvalue and the corresponding eigenfunction of the Fokker-Planck-Kolmogorov operator that describes its motion. This method is employed to calculate the mean lifetime of a charged particle in a storage ring when it is subjected to stochastic forces arising from collisions with residual gas molecules and from the quantum nature of the radiation process. The equations for the radial and the

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phase oscillations are assumed to linear and the stochastic forces to be uncorrected. The corresponding Fokker-Planck-Kolmogorov operator is derived and it is shown that the eigenvalue problem allows of separation of variables. The smallest eigenvalue and its eigenfunction are calculated by a perturbation method that depends on the damping constants in the equations of motion being large. Formulas are presented for the distribution of the accumulated particles and for the mean lifetime of a particle. Orig. art. has: 47 formulas.

ASSOCIATION: none

SUBMITTED: 17Oct64

ENCL: 00

SUB CODE: NP

NR REF SOV: 002

OTHER: 000

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Card 2/2

L 25584-66 EWT(d)/T/EWP(1) IJP(c) BB/GG/JXT(BF)

ACC NR: AM6004763

Monograph

UR/

50

B+/

Isakov, Vasily Ivanovich; Rozhnov, Vladimir Sergeyevich

Principles of mechanizing and programming computer operations (Osnovy mekhanizatsii i programmirovaniye vychislitel'nykh rabot) Moscow, Izd-vo "Vysshaya shkola", 1964. 310 p. illus. Textbook for economic institutes and faculties. 17,000 copies printed.

TOPIC TAGS: computer application, computer programming, data processing, economic organization

PURPOSE AND COVERAGE: The book is intended to serve as a text for students in the economics departments and economic higher institutions of learning, specializing in "Planning of National Economy," "Economics of National Economy," "Economics of Industry," and "Economics and Planning of Material and Technical Outfitting." The book contains information on the principles of construction of modern calculating machines, including electronic computers, their operation, the nature of economic information, and also the organization, design, and programming of machine processing of information. This is claimed to be the first book on this subject.

TABLE OF CONTENTS [abridged]:

Introduction - - 3
Ch. I. Economic information and principles of its processing - - 20
Ch. II. Classification of calculating machines - - 57
Ch. III. Keyboard calculators - - 68

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- Ch. IV. Punch-card calculators - - 144
- Ch. V. Electronic high speed computers - - 204
- Ch. VI. Organization and operation of machine-computation installations - - 237
- Ch. VII. Scheduling of mechanization of computer operations - - 261
- Ch. VIII. Programming of computer operations - - 290

SUB CODE: 14, 05/ SUBM DATE: 30Sep64

Card 2/2 dda

BAKAY, A.S.; ROZHNYY, G.Ya.; ROZHNKOV, V.V.

Asymptotic solution to a diffusion problem and its use in the theory
of storage systems. Zhur. tekhn. fiz. 35 no.9:1525-1531 5 '65.

(MIRA 18:10)

RCZHKOV, V.V., inzhener-kapitan

"Polaris" as revealed by foreign press material. Vest.
protivozhd. obr. no.5:34-35 My '61. (MIRA 14:7)
(Polaris (Missile))

AFANAS'YEV, V.P.; GOLOVINA, V.A.; KOMOCHKOV, M.M.; MEKHEDOV, V.N.;
OGANESYAN, K.O.; ROZHKOV, V.Ye. [deceased]; ROZANOVA, A.M.

Dosimetric check. Med. rad. 5 no.1:6-12 Ja '60. (MIRA 15:3)
(RADIATION--DOSAGE)

ROZHKOV, Ye., inzhener-mayor

Dynamic weightlessness. Vest. Vozd. Fl. no.9:91-94 S '61.
(MIRA 14:11)
(Weightlessness)